

Performance Report for: <https://www.epitopea.com/>

Report generated: Wed, Mar 13, 2024 9:42 PM -0700
 Test Server Location: London, UK
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0

A	Performance	Structure	L. Contentful Paint	T. Blocking Time	C. Layout Shift
	93%	85%	1.1s	34ms	0.03

Top Issues

Med	Avoid enormous network payloads <small>LCP</small>	Total size was 3.88MB
Med	Use explicit width and height on image elements <small>CLS</small>	6 images found
Med	Serve static assets with an efficient cache policy	Potential savings of 3.65MB
Med-Low	Use a Content Delivery Network (CDN)	17 resources found
Low	Use passive listeners to improve scrolling performance	1 event listener not passive

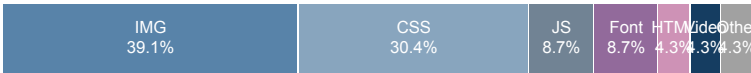
Page Details



Total Page Size - 3.87MB



Total Page Requests - 23



Legend: HTML JS CSS IMG Video Font Other

How does this affect me?

Today's web user expects a fast and seamless website experience. Delivering that fast experience can result in increased visits, conversions and overall happiness.

As if you didn't need more incentive, **Google has announced that they are using page speed in their ranking algorithm.**

About GTmetrix

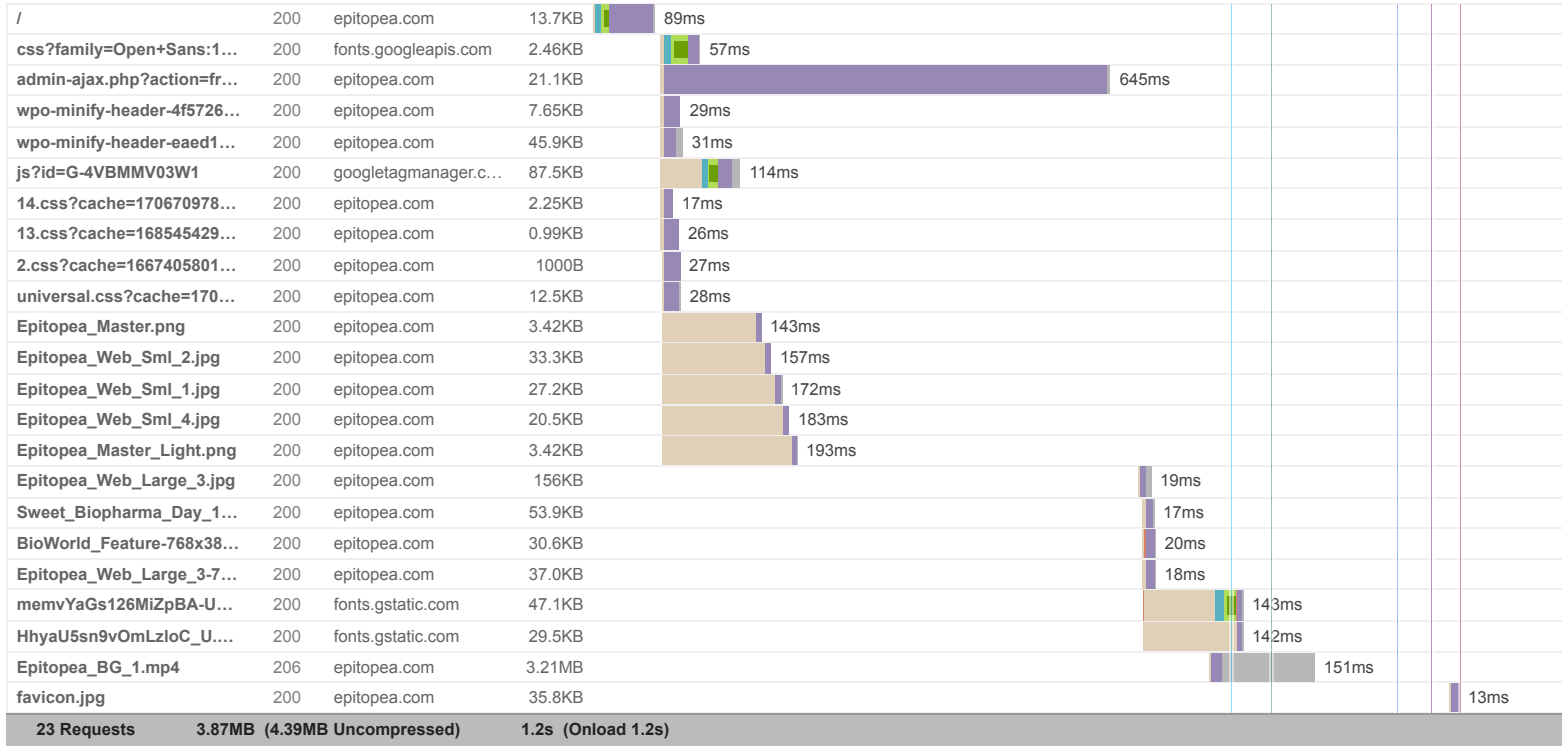


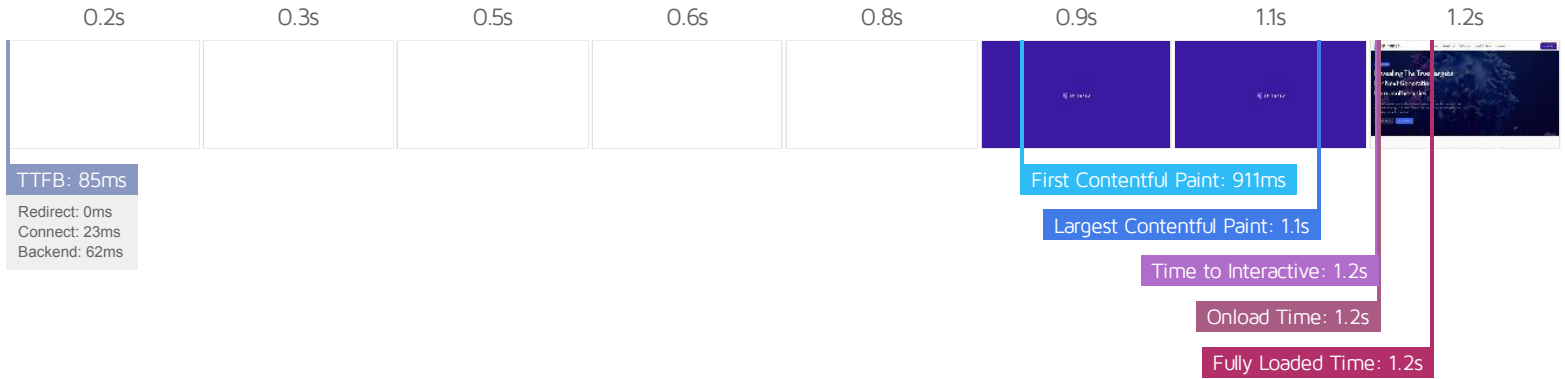
GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 28 years experience in web technology.

<https://carbon60.com/>

The waterfall chart displays the loading behaviour of your site in your selected browser. It can be used to discover simple issues such as 404's or more complex issues such as external resources blocking page rendering.

Home - Epitopea





Performance Metrics

<p>First Contentful Paint</p> <p>How quickly content like text or images are painted onto your page. A good user experience is 0.9s or less.</p>	<p>Good - Nothing to do here</p> <p>911ms</p>	<p>Time to Interactive</p> <p>How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.</p>	<p>Good - Nothing to do here</p> <p>1.2s</p>
<p>Speed Index</p> <p>How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.</p>	<p>Longer than recommended</p> <p>2.0s</p>	<p>Total Blocking Time</p> <p>How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.</p>	<p>Good - Nothing to do here</p> <p>34ms</p>
<p>Largest Contentful Paint</p> <p>How long it takes for the largest element of content (e.g. a hero image) to be painted on your page. A good user experience is 1.2s or less.</p>	<p>Good - Nothing to do here</p> <p>1.1s</p>	<p>Cumulative Layout Shift</p> <p>How much your page's layout shifts as it loads. A good user experience is a score of 0.1 or less.</p>	<p>Good - Nothing to do here</p> <p>0.03</p>

Browser Timings

Redirect	0ms	Connect	23ms	Backend	62ms
TTFB	85ms	First Paint	911ms	DOM Int.	965ms
DOM Loaded	967ms	Onload	1.2s	Fully Loaded	1.2s

IMPACT AUDIT

Low **Avoid an excessive DOM size** TBT 275 elements

A large DOM will increase memory usage, cause longer style calculations, and produce costly layout reflows.

STATISTIC	ELEMENT	VALUE
Total DOM Elements		275
Maximum DOM Depth	ul#menu-translation-menu > li#menu-item-186-fr > a > img 	17
Maximum Child Elements	body.home <body class="home page-template-default page page-id-2 wp-embed-responsive oxygen-body">	17

Low **Properly size images** Potential savings of 39.5KB

Serve images that are appropriately-sized to save cellular data and improve load time.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://www.epitopea.com/wp-content/uploads/2022/04/Epitopea_Web_Sml_2.jpg	33.3KB	16.2KB
https://www.epitopea.com/wp-content/uploads/2022/04/Epitopea_Web_Sml_1.jpg	27.2KB	13.3KB
https://www.epitopea.com/wp-content/uploads/2022/04/Epitopea_Web_Sml_4.jpg	20.5KB	10.0KB

Low **Preload Largest Contentful Paint image** LCP 1ms

If the LCP element is dynamically added to the page, you should preload the image in order to improve LCP.

URL	POTENTIAL SAVINGS
https://epitopea.com/wp-content/uploads/2022/04/Epitopea_Web_Large_3.jpg	1ms

Low **Ensure text remains visible during webfont load** FCP LCP 2 fonts found

Leverage the `font-display` CSS feature to ensure text is user-visible while webfonts are loading.

URL	POTENTIAL SAVINGS
https://fonts.gstatic.com/s/opensans/v40/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2OVTS-muw.woff2	41ms
https://fonts.gstatic.com/s/dosis/v32/HhyaU5sn9vOmLzloC_U.woff2	41ms

Low **Avoid long main-thread tasks** TBT 3 long tasks found

Lists the longest tasks on the main thread, useful for identifying worst contributors to input delay.

URL	START TIME	DURATION
• https://www.epitopea.com/	772ms	71ms
• https://www.epitopea.com/	1.1s	71ms
• Unattributable	1.1s	62ms

Low **Reduce unused CSS** FCP LCP Potential savings of 32.2KB

Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
• https://www.epitopea.com/wp-admin/admin-ajax.php?action=frmpro_css&ver=1311402	21.5KB	21.4KB
• https://www.epitopea.com/wp-content/uploads/oxygen/css/universal.css?cache=1706709783&ver=6.4.3	12.5KB	10.8KB

Low **Serve images in next-gen formats** Potential savings of 129KB

Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster downloads and less data consumption.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://www.epitopea.com/wp-content/uploads/2022/04/Epitopea_Web_Large_3.jpg	156KB	62.4KB
https://www.epitopea.com/wp-content/uploads/2023/04/Sweet_Biopharma_Day_1-768x512.jpg	53.9KB	20.3KB
https://www.epitopea.com/wp-content/uploads/2022/04/Epitopea_Web_Large_3-768x432.jpg	37.0KB	14.3KB
https://www.epitopea.com/wp-content/uploads/2022/05/BioWorld_Feature-768x384.jpg	30.6KB	13.1KB
https://www.epitopea.com/wp-content/uploads/2022/04/Epitopea_Web_Sml_2.jpg	33.3KB	10.1KB
https://www.epitopea.com/wp-content/uploads/2022/04/Epitopea_Web_Sml_1.jpg	27.2KB	8.52KB

Low **Minify CSS** FCP LCP Potential savings of 4.81KB

Minifying CSS files can reduce network payload sizes.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
• https://www.epitopea.com/wp-admin/admin-ajax.php?action=frmpro_css&ver=1311402	21.5KB	2.42KB
• https://www.epitopea.com/wp-content/uploads/oxygen/css/universal.css?cache=1706709783&ver=6.4.3	12.5KB	2.39KB

Low **Avoid non-composited animations** CLS 1 animated element found

Animations which are not composited can be janky and increase CLS.

ELEMENT	NAME
body.home > div#-preloader-47-14 <div id="-preloader-47-14" class="oxy-preloader oxy-preloader_hidden" style="display: flex;"> Unsupported CSS Property: visibility	visibility

Low **Avoid chaining critical requests** FCP LCP 7 chains found

The Critical Request Chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load.

Maximum critical path latency: **740ms**

INITIAL NAVIGATION

https://www.epitopea.com/	14.0KB, 87ms
https://www.epitopea.com/wp-content/uploads/oxygen/css/14.css?cache=1706709783&ver=6.4.3	2.25KB, 14ms
https://www.epitopea.com/wp-content/uploads/oxygen/css/2.css?cache=1667405801&ver=6.4.3	1000B, 23ms
https://www.epitopea.com/wp-content/uploads/oxygen/css/13.css?cache=1685454296&ver=6.4.3	0.99KB, 23ms
https://www.epitopea.com/wp-content/cache/wpo-minify/1709884300/assets/wpo-minify-header-4f572692.min.css	7.65KB, 25ms
https://www.epitopea.com/wp-content/uploads/oxygen/css/universal.css?cache=1706709783&ver=6.4.3	12.5KB, 24ms
https://www.epitopea.com/wp-admin/admin-ajax.php?action=frmpro_css&ver=1311402	21.5KB, 641ms
https://www.epitopea.com/wp-content/cache/wpo-minify/1709884300/assets/wpo-minify-header-eaed14a3.min.js	45.9KB, 28ms

Low **Reduce unused JavaScript** LCP Potential savings of 74.8KB

Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://www.googletagmanager.com/gtag/js?id=G-4VBMV03W1	87.9KB	41.4KB
https://www.epitopea.com/wp-content/cache/wpo-minify/1709884300/assets/wpo-minify-header-eaed14a3.min.js	45.9KB	33.4KB

N/A **Largest Contentful Paint element** LCP 1,150 ms

This is the largest contentful element painted within the viewport.

ELEMENT

We Are Epitopea Revealing The True Targets For Next Generation Immunotherapies...

```
<section id="section-1002-2" class="oxy-video-background ct-section c-bg-gradient">
```

PHASE	% OF LCP	TIMING
TTFB	7%	85ms
Load Delay	60%	695ms
Load Time	2%	18ms
Render Delay	30%	349ms

N/A **Eliminate render-blocking resources** FCP LCP Potential savings of 10ms

Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles.

Resources that **may** be contributing to render-blocking include:

URL	TRANSFER SIZE	DOWNLOAD TIME
https://www.epitopea.com/wp-admin/admin-ajax.php?action=frmpro_css&ver=1311402	21.5KB	304ms
https://www.epitopea.com/wp-content/cache/wpo-minify/1709884300/assets/wpo-minify-header-4f572692.min.css	7.65KB	152ms
https://www.epitopea.com/wp-content/uploads/oxygen/css/universal.css?cache=1706709783&ver=6.4.3	12.5KB	152ms
https://www.epitopea.com/wp-content/cache/wpo-minify/1709884300/assets/wpo-minify-header-eaed14a3.min.js	45.9KB	456ms

N/A

Reduce JavaScript execution time TBT

93ms spent executing JavaScript

Consider reducing the time spent parsing, compiling, and executing JS. You may find delivering smaller JS payloads helps with this.

URL	TOTAL CPU TIME	SCRIPT EVALUATION	SCRIPT PARSE
• https://www.epitopea.com/	393ms	14ms	2ms
• Unattributable	220ms	18ms	0ms
• https://www.googletagmanager.com/gtag/js?id=G-4VBMMV03W1	61ms	53ms	5ms

N/A

Reduce initial server response time FCP LCP

Root document took 62ms

Keep the server response time for the main document short because all other requests depend on it.

URL	TIME SPENT
• https://www.epitopea.com/	62ms

N/A

Avoid large layout shifts CLS

5 elements found

These DOM elements contribute most to the CLS of the page.

ELEMENT	CLS CONTRIBUTION
Platform Technology Platform Therapeutics Focus Partnering Opportunities Pu... <div id="div_block-499-13" class="ct-div-block c-submenu-2 c-submenu-2-double">	0.01
News & Events All News & Events Press Releases In the news Events All the l... <div id="div_block-510-13" class="ct-div-block c-submenu-2 c-submenu-2-double">	0.01
About Us About Us Team Investors Partners Find out more about who we are, wha... <div id="div_block-348-13" class="ct-div-block c-submenu-2 c-submenu-2-double">	0.01
Home About Us About Us About Us Team Investors Partners Find out more about ... <div id="div_block-548-13" class="ct-div-block c-menu">	0.00
CONTACT <div id="_header_right-622-13" class="oxy-header-right">	0.00

N/A

Minimize main-thread work TBT

Main-thread busy for 702ms

Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps with this.

CATEGORY	TIME SPENT
Other	353ms
Style & Layout	201ms
Script Evaluation	100ms
Rendering	19ms
Parse HTML & CSS	18ms
Script Parsing & Compilation	9ms

N/A

Reduce the impact of third-party code TBT

Total size was 168KB

Third-party code can significantly impact load performance. Limit the number of redundant third-party providers and try to load third-party code after your page has primarily finished loading.

THIRD-PARTY	TRANSFER SIZE	MAIN-THREAD BLOCKING TIME
GOOGLE TAG MANAGER	87.9KB	0ms
• https://www.googletagmanager.com/gtag/js?id=G-4VBMMV03W1	87.9KB	0ms
GOOGLE FONTS	79.7KB	0ms
• https://fonts.gstatic.com/s/opensans/v40/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2OVTS-muw.woff2	47.6KB	0ms
• https://fonts.gstatic.com/s/dosis/v32/HhyaU5sn9vOmLzloC_U.woff2	29.6KB	0ms

N/A

Avoid serving legacy JavaScript to modern browsers TBT

Nothing to do here, good job!

N/A

User Timing marks and measures

No user timings and/or marks found.